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DATASHEET

L-Aspartic acid

Product overview

Name L-Aspartic acid Cat No HB0374

Alternative names H-Asp-OH, Asparagic acid, L-Asparaginic acid, L-asparate, Asparaginic acid, L-Asparagic acid,

(2S)-Aspartic acid

Biological action Antagonist **Purity** >98%

Description Endogenous NMDA receptor agonist

Images



Biological Data

Biological description Endogenous NMDA receptor agonist. Plays role in purine and pyrimidine synthesis. Displays similar

activity to D-aspartic acid.

Solubility & Handling

Solubility overview Storage instructions Storage of solutions

Shipping Conditions

Important

Soluble in NaOH(aq) (100mM)

Room temperature

Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

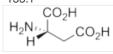
Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name Molecular Weight **Chemical structure** L-Aminosuccinic acid



Molecular Formula

 $C_4H_7NO_4$

CAS Number PubChem identifier SMILES InChiKey 56-84-8 5960

$$\label{eq:condition} \begin{split} &[H][C@@](CC(O)=O)(N)C(O)=O\\ &CKLJMWTZIZZHCS-REOHCLBHSA-N \end{split}$$

References

Structure/activity relations of N-methyl-D-aspartate receptor ligands as studied by their inhibition of [3H]D-2-amino-5-phosphonopentanoic acid binding in rat brain membranes.

Olverman HJ *et al* (1988) Neuroscience 26(1) **PubMedID** 2901691